ACCESSION NR: AT4019308

silver concentration are given. The main investigations were carried out on the photosensitive glass 2L. Irradiation was carried out with the PRK-7 lamp at a distance of 400 mm from the sample. The spectra were recorded with an SF-4 quartz spectrophotometer. It was concluded that the photoelectrons, the release of which is connected with the presence of a sensitizer in the glass, pass to the metastable level during irradiation, where they are localized because of the high viscosity of the glass. When heated, the electrons are able to move and are localized in the vicinity of the silver ions, forming the so-called "atomic center". This is accompanied by an increase in absorption in the visible part of the spectrum. At higher temperatures either the size of the centers grows due to the separation of silver on them (after brief exposure) or the size of the particles grows due to their coagulation (prolonged exposure). After the critical sizes are attained these particles become the nuclei of glass crystallization. Orig. art. has: 5 figures.

ASSOCIATION: None

SUBMITTED: 17May63 DATE ACQ: 21Nov63 ENCL: 00

SUB CODE: MT, OP NO REF SOV: 003 OTHER: 003

Card 2/2

VAYSFEL'D, N.M.; GORBACHEV, A.A.; [redacted], L.M.

Crystallization of photosensitive glasses as dependent on the method of isolating the crystallization centers. Dokl. AN SSSR 152 no.4:901-904 O '63. (MIRA 16:11)

1. Nauchno-issledovatel'skiy institut elektrovakuumnogo stekla. Predstavleno akademikom A.V. Shubnikovym.

S.R. Doklady, v. 162, no. 5, 196

glass crystallization, nonalkali glass, thermal shock, titanium glass structure, ultraviolet absorption spectrum

The subject of the study was alkali free glass system SiO_2 ... admixtures ...

...vals, for 1 min. A comparison ... for various temperatures of heat treatment (see Fig. 1 of the Enclosure) shows that ... which the structural transformations occur increases with temperature,

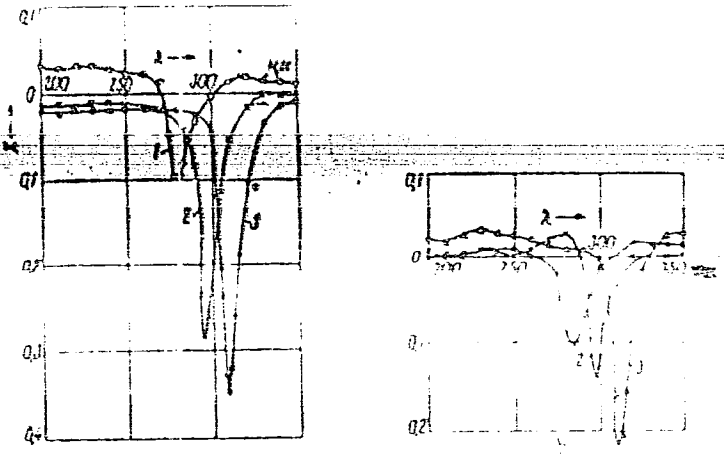
L 52600-65
ACCESSION NR: AP5017456

[illegible] than for those melted under oxidizing conditions. The spectra [illegible]

figures.

[illegible]

ACCESSION NR: AP5017456 ENCLOSURE: 01



Differential absorption spectra of D1, D2 and D3 glasses heat-treated at 800C: a - glasses prepared under reducing conditions, b - glasses prepared under oxidizing conditions.

Card 3/3

L 3402-66 EWT(1)/EWP(e)/EWT(m)/EPF(c)/EWP(i)/EPF(n)-2/T IJP(c) GG/WH

ACCESSION NR: AP5024211 UR/0020/65/164/003/0549/0551

43
40
B

AUTHOR: Gorbachev, A. A. 44,55

TITLE: On structure defects in fused quartz glass 15

SOURCE: AN SSSR. Doklady, v. 164, no. 3, 1965, 549-551

TOPIC TAGS: quartz, fused quartz glass, structure defect, uv spectrum, crystallization

ABSTRACT: The investigation was undertaken in order to determine whether the ultraviolet absorption bands which are generated by γ-radiation in fused quartz glass are also generated by crystallization and precrystallization annealing of the glass. The annealing treatment was described previously by L. G. Bayburt and A. A. Gorbachev (DAN, 156, No. 6, 1420, 1964). The spectra of specimens exposed to various temperatures for different time periods are shown graphically on Fig. 1 on the Enclosure. It is concluded that the two absorption bands (210-220 and 290-300 mμ), which appear during crystallization of the quartz glass, are due to structure defects in the silocon-oxygen tetrahedra. It is suggested that a study of structure defects of glasses during crystallization may lead to a better understanding of structure defects in crystals. Orig. art. has: 2 graphs.

21,44,55

Card 1/3

L 3402-66 3

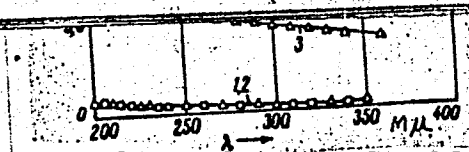
ACCESSION NR: AP5024211

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy institut elektrovakuumnogo stekla (State Scientific Research Institute for Electrovacuum-Glass) 44,55

SUBMITTED: 05Nov64 ENCL: 01 SUB CODE: SS

NO REF SOV: 004 OTHER: 000

Card 2/3



Card 3/3

L 05728-67 FBD/EWT(1)/EEC(k)-2/T/EWP(k) IJP(c) WG/GD

ACC NR: AT6022266 SOURCE CODE: UR/0000/66/000/000/0017/0023

AUTHOR: Gardash'yan, V. M.; Gorbachev, A. A.; D'yachenko, V. V.

ORG: none

TITLE: Efficient supply systems for lasers

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966. Sektsiya kvanovoy elektroniki. Doklady. Moscow, 1966, 17-23

TOPIC TAGS: laser R and D, solid state laser, laser supply

ABSTRACT: A light-weight RC laser supply has an efficiency of only 30—40%; an LC laser supply has an efficiency up to 95% but its weight may reach hundreds kg for a solid-state laser with a pumping energy within 100—1000 j. Hence, new supply circuits that include thyristors are suggested. Essentially, with the thyristor nonconducting (see Fig. 1), the buffer capacitor C_b is charged.

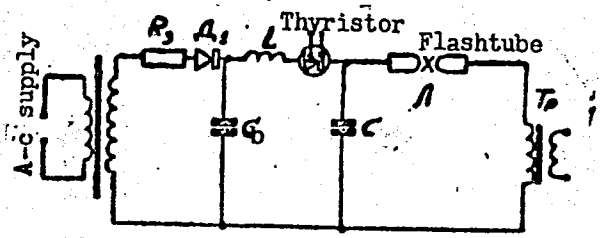


Fig. 1.

Card 1/2

GORBACHEV, A.A.; DOMOZHIROV, V.N.

Changing the masonry of the stands of a bell-type furnace. Sbor. rats.predl.vnedr.v proizv. no.5:38 '60. (MIRA 14:8)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Furnaces, Heat treating)

L 22095-66 EWT(1)

ACC NR: AP6012966 SOURCE CODE: UR/0143/65/000/007/0033/0039

AUTHOR: Birulya, I. N. (Candidate of technical sciences; Docent); Gorbachev, A. D. (Engineer)

ORG: Minsk Radio Engineering Institute (Minskiy radiotekhnicheskiy institut)

TITLE: Determination of transfer functions of induction micromachines with a hollow nonmagnetic rotor

SOURCE: Izvestiya vysshikh uchebnykh zavedeniy. Energetika, no. 7, 1965, 33-39

TOPIC TAGS: servosystem, electric motor, electric resistance, electronic circuit

ABSTRACT: AC servosystems often are based on induction motors and tachogenerators with a hollow nonmagnetic rotor. The authors propose a new method of determining the transfer functions of induction motors and tachogenerators according to the parameters of their equivalent circuits. An amplitude equation for the torque of the induction motor with a hollow nonmagnetic rotor is derived on the basis of the theory of symmetric components of two-phase systems in steady state. An analytic expression of the linear relation of torque to motor RPM is derived on the assumption that, since in induction motors with a hollow nonmagnetic rotor the rotor's resistance is always of a considerable magnitude, it can be generally assumed that in the low RPM range the

Card 1/2 UDC: 621.313.333.001.24

L 22095-66

ACC NR: AP6012966

symmetric components of stator currents are practically independent of motor RPM. A new method of determining the parameters of the equivalent circuits of induction motors with a hollow nonmagnetic rotor is described; by means of this method the basic components of the transfer functions of these motors, as well as of tachogenerators with a hollow nonmagnetic rotor, may be determined. Essentially, this method consists in performing a short-circuit experiment on a machine from which the rotor and inner stator are removed and replaced with a drum of nonconducting and nonmagnetic material of a diameter equal to the diameter of the hollow rotor and equipped with a measuring coil supplied with a regulable amount of voltage. The findings are used to calculate the parameters of the equivalent circuit. A more detailed description of this method will be presented in a subsequent article. Orig. art. has: 15 figures. [JPRS]

SUB CODE: 09 / SUBM DATE: 16Jun64 / ORIG REF: 006

Card 2/2 BLG

L 43743-66 EWT(1)

ACC NR: AP6021933 (A, N) SOURCE CODE: UR/0143/66/000/003/0039/0044 69 B

AUTHOR: Birulya, I. N. (Candidate of Technical Sciences); Gorbachev, A. D. (Engineer)

ORG: Minsk Radio Engineering Institute (Minskiy radiotekhnicheskiy institut)

TITLE: Determination of transfer functions of asynchronous miniature machines with hollow non-magnetic rotors 29

SOURCE: IVUZ. Energetika, no. 3, 1966, 39-44

TOPIC TAGS: miniature electric equipment, servosystem, control circuit, test method, testing laboratory, test facility, test electric power engineering

ABSTRACT: This is a continuation of an article published in IVUZ. Energetika, no. 7, 1966, in which a new method for determining transfer functions of asynchronous miniature machines with hollow non-magnetic rotors by means of equivalent circuits is described. Experiments to determine the parameters of equivalent circuits of asynchronous machines with hollow non-magnetic rotors were carried out in accordance with the new method at the Laboratory for Electrical Miniature Machines and Servo Systems of the Minsk Radio Engineering Institute (Laboratoriya elektricheskikh mikromashin i sledyashchikh sistem Miskogo radiotekhnicheskogo instituta). The experimental data made it possible to determine the transfer functions for a slave motor and a tachometer

UDC: 621.313.33-181.4

Card 1/2

ACC NR: AP6021933

generator. The experimental results are found to be in good agreement with the calculated results. The new method is relatively simple and reflects the actual physical processes taking place in the machines with sufficient accuracy. The main shortcoming of the method is that the short-circuit tests of the machine require the removal of its rotor and stator and, consequently, its disassembly. Orig. art. has: 5 figures, 30 formulas, and 4 tables.

SUB CODE: 09/ SUBM DATE: 16Jun64/ ORIG REF: 004

Card 2/2 hs

SOV/130-58-11-7/16

AUTHORS: Malyshev, V.A., and Gorbachev, A.F., Engineers, and Papush, A.G., Candidate of Technical Sciences

TITLE: Reduction of Metal Consumption in Casting Forging Ingots (Umen'sheniye rashkhoda metalla pri otlivke krupnykh kuznechnykh slitkov)

PERIODICAL: Metallurg, 1958, Nr 11, pp 16 - 18 (USSR)

ABSTRACT: In 1955 electric heating of hot-tops of large carbon and alloy steel ingots was advantageously adopted at the im. Il'icha (im. Il'ich) works. In 1957 the filling of hot tops was increased but further advantage was not obtained. The insulation of the hot top was improved by increasing the thickness of the refractory from 40 to 160 mm (Fig 1), the effectiveness of this being shown with ingots of nominal weights 38 and 54 tonnes of 60KhG and 55Kh steels. A third ingot of nominal weight 35.2 tonnes of type 55 steel was cast with the thickest refractory in but without electric heating of the hot top. The authors give details of these ingots (table) and show sulphur prints of the smaller ingots (Fig 2). Study of these has shown that in all the ingots the pipe, porosity and crude segregation were above the body of the ingot.

Card 1/2

Reduction of Metal Consumption in Casting Forging Ingots

Four further ingots were cast with electrical hot top heating: no effect of the changed hot-top configuration on stripping was observed. Joint tests with the Zhdanovskiy metallurgical institute showed that the quality of the metal had not suffered through the considerable reduction in the hot top volume.

There are 2 figures and 1 table.

ACCESSION NR: AP4014252 S/0133/64/000/002/0149/0[illegible]

AUTHORS: Dontsov, P. M. (Candidate of technical sciences); Papush, A. G. (Candidate of technical sciences); Aristov, V. S. (Candidate of technical sciences); Malakhovskiy, L. G. (Engineer); Shcherbak, M. A. (Engineer); Dontsova, A. Ya. (Engineer); Gorbachev, A. F. (Engineer)

TITLE: Production of plated formed iron by electric-arc fusing and rolling

SOURCE: Stal', no. 2, 1964, 149-152

TOPIC TAGS: plated iron, steel, electric arc fusing, profile iron, SV1Kh18N9T electrode, MS 1 steel, ADS 1000 2 welder, AN 26 flux, stainless steel, SV1Kh18N9T welder, rolling mill, 620 rolling mill, 450 rolling mill, 400 rolling mill

ABSTRACT: The authors describe a new technique for plating formed iron of different shapes. Several layers of stainless steel were fused onto the samples by the automatic multi-electrode welding method. The chemical composition of the metal plate proved satisfactory (Cr ≥ 16%, Ni ≥ 8%) when the MS-1 steel and 3-mm SV1Kh18N9T electrodes with AN-26 flux were used. The automatic welding assembly ADS-1000-2 was designed to produce simultaneous operation with three electrodes.

Card 1/2

ACCESSION NR: AP4014252

Samples were rolled in mills 620, 450, and 400. Tests showed a strong union of plate with the base metals. In structure, the first layer of the fused-on metal proved to be martensitic and the following layers austenitic. It was determined that the optimal thickness of the metal plate was 1-2 mm. The samples withstood tests for intergranular corrosion even when the angle of bending was 180 degrees. Orig. art. has: 2 tables, 4 figures, and 4 formulas.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 03Mar64 ENCL: 00

SUB CODE: ML NO REF SOV: 001 OTHER: 000

Card 2/2

DONTSOV, P.M., kand.tekhn.nauk; PAPUSH, A.G., kand.tekhn.nauk; ARISTOV, V.S.; kand.tekhn.nauk; KALAKHOVSKIY, L.G., inzh.; SHCHERBAK, M.A., inzh.; DONTSOVA, A.Ya., inzh.; GORBACHEV, A.F., inzh.

Manufacture of clad rolled shapes by the method of electric arc hard facing with subsequent rolling of the blank. Stal' 24 no.2: 149-152 F '64. (MIRA 17:9)

GOHBACHEV, A.G., insh.

Brake-releasing device for forging bridge cranes. Bezop.truda v prom. 3 no.5:30-31 My '59. (MIRA 12:8)
(Cranes, derricks, etc.--Brakes)

GORBACHEV, A. G., Cand. Tech. Sci. (diss) "Protection of Bridge Cranes from Overloading," Leningrad, 1961, 12 pp. (Leningrad Polytech. Inst.) 150 copies (KL Supp 12-61, 265).

GORBACHEV, A.G.

Determining stresses acting on elements of forging bridge cranes. Trudy Ural.politekh.inst. no.104:56-70 '61. (MIRA 14:6)
(Cranes, derricks, etc.)

GORBACHEV, A.G.

Device for releasing brakes of a forging bridge crane. Trudy Ural. politekh.inst. no.104:93-95 '61. (MIRA 14:6)
(Cranes, derricks, etc.—Brakes)

GORBACHEV, A.G., inzh.

Dynamics of forging bridge cranes and the prevention of their overloading. Vest.mash. 41 no.2:21-24 F '61. (MIRA 14:3)
(Forging machinery)

MAR'YANOVSKIY, I.M.; GORBACHEV, A.G.; RYVKIN, G.M.; RYABOY, A.Ya.; KONAKOV, G.A.; GRIGOR'YEV, M.I.

Authors' abstracts of dissertations. Vest.mashinostr. 42 no.5:89 My '62. (MIRA 15:5)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina (for Mar'yanovskiy, Gorbachev). 2. Moskovskiy stankoinstrumental'nyy institut (for Ryvkin). 3. Krasnoyarskiy institut tsvetnykh metallov imeni M.I.Kalinina (for Ryaboy). 4. Khar'kovskiy politekhnicheskiy institut imeni A.A.Zhdanova (for Konakov). 5. Leningradskiy korablestroitel'nyy institut (for Grigor'yev). (Bibliography--Mechanical engineering)

GORBACHEV, A.G., insh.

Modernization of the hoisting mechanism of a hardening crane.
Bezop.truda v prom. 7 no.4:26-28 Ap '63. (MIRA 16:4)

1. Ural'skiy politekhnicheskiy institut.
(Cranes, derricks, etc.)

GORBACHEV, A.G., inzh.

Dynamic loads in metallurgical cranes. Izv. vys. ucheb. zav.; mashinostr. no.4:118-125 '65. (MIRA 18:5)

GOREACHEV, A.I., insh.

Repairing rubber cables in construction yards. Biul.tekh.inform. 4 no.11:28-29 N '58. (MIRA 11:12)
(Electric cables--Maintenance and repair)
(Vulcanization)

8(3) SOV/100-59-5-6/14

AUTHOR: Gorbachev, A.I., Engineer

TITLE: Repair of Hose-Type Cables on Construction Sites

PERIODICAL: Mekhanizatsiya stroitel'stva, 1959, Nr 5, pp 17-19, (USSR)

ABSTRACT: The article describes the design of movable electric vulcanizing apparatus for mending damaged cables in the field. For 15-23 mm cables the apparatus of the system of V.N. Sibiryakov is employed; for 30-50 mm cables that of Engineer Alad'in and the author. For maintaining constant temperature of 150°C the apparatus of V.N. Sibiryakov is equipped with a special control device which consists of a transducer and a vibrating switch which cuts the current off upon the limit of temperature being reached and vice versa. The other vulcanizing apparatus works on the same principle but is fitted with a manometric distance gas thermometer of the type TG-278, which automatically controls the temperature of the vulcanizing outfit. The article gives a description of the method of joining a broken cable and of mending it by vulcanizing a rubber cover over the joint.
There are 6 diagrams.

Card 1/1

GORBACHEV, A.I., inzh.; MAKAR'YEV, P.N., inzh.; MEYED'YEV, P.I., inzh.

Modernization of the SBK-1 tower crane. Mekh. stroi. 17 no.6: 12-14 Je '60. (MIRA 13:6)
(Cranes, derricks, etc.)

GORBACHEV, A.I., inzh.

Additional brakes for preventing the dropping of booms of OM-201, OM-202, and E-1004 excavators. Mekh. stroi. 17 no.6:23 Je '60. (MIRA 13:6)
(Excavating machinery--Brakes)

GORBACHEV, A.I., inzh.

Reinforced concrete ballast for M-3-5-10 tower cranes. Mekh. stroi. 17 no.11:20 N '60. (MIRA 13:11)

(Cranes, derricks, etc.)

GORBACHEV, A.I., inzh.

Load moment stop designed by Malyshev for boom cranes. Mont. i spets. rab. v stroi. 24 no.1:27-29 Ja '62. (MIRA 15:7)

1. Trest po mekhanizatsii stroitel'nykh rabot No.2 Glavnogo stroitel'nogo upravleniya pri ispolnitel'nom komitete Leningradskogo gorodskogo Soveta deputatov trudyashchikhsya.
(Cranes, derricks, etc.—Equipment and supplies)

ALEYNER, A.L.; ANAN'YEV, A.A.; KOGAN, I.Ya.; LANG, A.G.; NIKOLAYEVSKIY, G.M.; PLAVINSKIY, V.I.; SAMOYLOVICH, P.A.; GORBACHEV, A.I., insh., retsenzent; DUKEL'SKIY, A.I., prof., doktor tekhn. nauk, red.; SKOMOROVSKIY, R.V., kand. tekhn. nauk, red.; MITARCHUK, G.A., red.izd-va; VASIL'YEVA, V.P., red.izd-va; SPERANSKAYA, O.V., tekhn. red.

[Handbook on cranes] Spravochnik po kranam. Pod red. A.I. Dukel'skogo. Moskva, Mashgiz. Vol.3. [Characteristics of cranes, maintenance and installation] Kharakteristiki kranov, tekhnicheskaia ekspluatatsiia i montazh. 1963. 340 p. (MIRA 16:8)

(Cranes, derricks, etc.)

ANDRYUSHCHENKO, A.I., dokto: tekhn. nauk, prof.; LAPSHOV, V.N., kand. tekhn. nauk, dotsent; PONYATOV, V.A., inzh.; GORBACHEV, A.I., inzh.; VESELOV, B.N., inzh.

Choice of the optimal parameters for gas part of large steam gas units. Izv. vys. ucheb. zav.; energ. 7 no.11:39-46 N '64 (MIRA 18:11)

1. Saratovskiy politekhnicheskiy institut. Predstavlena kafedroy teploenergetiki.

GORBACHEV, A.M.

In close connection with the population. Zdrav.Ros.Fed. 3 no.10: 3-7 O '59. (MIRA 13:1)

1. Predsedatel' Tul'skogo oblispolkoma.
(PUBLIC HEALTH)

PROCESSES AND PROPERTIES INDEX

GORBACHEV, A.N.

23

The formation and dewatering of paper by vacuum suction. A. N. Gorbachev. Tsentral. Nauch.-Issledovatel. Inst. Bumazh. Prom., Materialy 1938, Nos. 26-7, 91-117. —The construction details and performance are given of

an exptl. papermaking machine with suction rolls and vacuum wet-press arrangements (diagrams are shown), previously described in the Russ. pats. 108,139, 112,627, 117,701 and 122,626 (1932). The machine, in which some of the features of the Millspaugh patents are evidently incorporated (cf. C. A. 27, 3078), proved to be highly efficient in the formation of continuous sheets of various kinds of paper and board (from 25 to 800 g./sq. m. and higher) of an even and uniform thickness. In their cross and lengthwise tearing strength and bending (folding) strength the resulting papers exceed the standards for similar products formed by conventional methods. Numerous tech. and economic advantages are cited and the adoption of the procedure in the large-scale production is discussed. Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

GORBACHEV, A.M.

ALEKSEYEV, A.A., inzhener, redaktor; ASHKENAZI, K.M., doktor tekhnicheskikh nauk, redaktor; GRABOVSKIY, V.A., kandidat tekhnicheskikh nauk, redaktor; GORBACHEV, A.M., kandidat tekhnicheskikh nauk, redaktor; IVANOV, S.N., kandidat tekhnicheskikh nauk, redaktor; LAPIN, P.S., kandidat tekhnicheskikh nauk, redaktor; NEPENIN, N.N., doktor tekhnicheskikh nauk, redaktor; PUZYREV, S.A., kandidat tekhnicheskikh nauk, redaktor; RYUKHIN, N.V., kandidat tekhnicheskikh nauk, redaktor; FLYATE, D.M., kandidat tekhnicheskikh nauk, redaktor; SHAPIRO, A.D., kandidat tekhnicheskikh nauk, redaktor; ELIASHBERG, M.G., kandidat tekhnicheskikh nauk, redaktor; KHUDYAKOVA, A.V., redaktor; VOLKHOVER, R.S., tekhnicheskiy redaktor.

[Paper maker's handbook] Spravochnik bumazhnika (tekhnologa) Moskva, Goslesbumizdat. Vol. 1 1955. 790 p. (MLRA 8:10)
(Paper industry)

GORBACHEV, A.N.

ALEKSEYEV, A.A., inzhener, redaktor; ASHKENAZI, K.M., doktor tekhnicheskikh nauk, redaktor; GRABOVSKIY, V.A., kandidat tekhnicheskikh nauk, redaktor; GORBACHEV, A.N., kandidat tekhnicheskikh nauk, redaktor; IVANOV, S.N., kandidat tekhnicheskikh nauk, redaktor; LARIN, P.S., kandidat tekhnicheskikh nauk, redaktor; NEPENIN, N.N., doktor tekhnicheskikh nauk, redaktor; PUZYREV, S.A., kandidat tekhnicheskikh nauk, redaktor; RYUKHIN, N.V., kandidat tekhnicheskikh nauk, redaktor; FLYATE, D.M., kandidat tekhnicheskikh nauk, redaktor; SHAPIRO, A.D., kandidat tekhnicheskikh nauk, redaktor; ELIASHEKRO, M.G., kandidat tekhnicheskikh nauk, redaktor; PUZYREV, S.A., redaktor; PYUKHIN, N.V., redaktor; KHUDYAKOVA, A.V., redaktor izdatel'stva; KARASIK, N.P. tekhnicheskiy redaktor

[Paper maker's manual] Spravochnik bumazhnika; tekhnologa. Moskva, Goslesbumizdat. Vol. 2, book 2. 1957. 433 p. (MLRA 10:4)

1. Leningrad. TSentral'nyy nauchno-issledovatel'skiy institut tsellyulosnoy i bumazhnoy promyshlennosti.
(Paper industry)

ALEKSEYEV, A.A., inzh., red.; ASHKENAZI, K.M., doktor tekhn.nauk, red.; GRABOVSKIY, V.A., kand.tekhn.nauk, red.; GORBACHEV, A.N., kand.tekhn. nauk, red.; IVANOV, S.N., kand.tekhn.nauk, red.; LARIN, P.S., kand. tekhn.nauk, red.; NEPENIN, N.N., doktor tekhn.nauk, red.; PUZYREV, S.A., kand.tekhn.nauk, red.; RYUKHIN, N.V., kand.tekhn.nauk, red.; FLYATE, D.M., kand.tekhn.nauk, red.; SHAPIRO, A.D., kand.tekhn.nauk, red.; ELIASHBERG, M.G., doktor tekhn.nauk, red.; KHUDYAKOVA, A.V., red.izd-va; SIDEL'NIKOVA, L.A., red.izd-va; LOBANKOVA, R.Ye., tekhn.red.

[Manual for paper industry technicians] Spravochnik bumazhnika; (tekhnologa). Moskva, Goslesbumizdat. Vol.3. 1961. 719 p. (MIRA 14:6)

1. Leningrad. TSentral'nyy nauchno-issledovatel'skiy institut tsellyuloznoy i bumazhnoy promyshlennosti.
(Paper products)

KABANOV, P.G., kand. sel'khoz. nauk, red.; POPUGAYEV, M.M., kand. ekon. nauk, red.; GORBACHEV, A.P., nauchnyy sotr., red.; LAPIDUS, M.A., red.; DEYEVA, V.M., tekhn. red.

[Farming system in the Southeast] Sistema vedeniia sel'skogo khoziaistva na IUgo-Vostoke. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1960. 428 p. (MIRA 14:7)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina. 2. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva Yugo-Vostoka (for Kabanov, Popugayev, Gorbachev)
(Volga Valley—Agriculture)

POPKOV, A.P.; GORBACHEV, A.S.; KOROLEV, Yu.N.

Electrophoretic coatings. Zashch.met. 1 no.4:374-379 Jl-Ag '65.
(MIRA 18:8)

STREKACHINSKIY, G.A.; GORBACHEV, A.T.; SALMIN, M.Ya.

Computing the capacity of emergency pulp collectors of a block in a hydraulic mine. Izv.Sib.otd.AN SSSR no.6:127-130 '61. (MIRA 14:6)

1. Kuzbassgiproshakht, Novosibirsk.
(Hydraulic mining)

CHERNOV, O.I.; GORBACHEV, A.T.

Methods, systems and nature of the degassing of coal beds through wells. Izv. Sib. otd. AN SSSR no.12:16-27 '62. (MIRA 17:8)

1. Vostochnyy nauchno-issledovatel'skiy institut po bezopasnosti rabot v gornoy promyshlennosti. Kemerovo i Institut gornogo dela Sibirskogo otdeleniya AN SSSR, Novosibirsk.

STREKACHINSKIY, G.A.; SHAROVATOV, M.S.; GORBACHEV, A.T.

Coal mining with a cutter-loader and hydraulic conveying in short walls. Trudy Inst. gor. dela Sib. otd. AN SSSR no.5: 17-23 '64. (MIRA 17:11)

STREKACHINSKIY, G.A.; GORBACHEV, A.T.; KORTELEV, O.B.

Problems of roof control in coal mines of the United States. Vop. gor. davl. no.17:86-106 '63. (MIRA 18:9)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR.

TAREYEV, Vladimir Mikhaylovich, prof., doktor tekhn. nauk; GORBACHEV, A.V., red.; VOLCHOK, K.M., tekhn. red.

[Manual on the thermal analysis of the working process of internal combustion motors] Spravochnik po teplovomu raschetu rabochego protsessa dvigatelei vnutrennego sgoraniia. Izd.3., perer. Leningrad, Izd-vo "Rechnoi Transport" Leningr. otd-nie, 1961. 415 p. (MIRA 14:9)

(Gas and oil engines)

GORBACHEV, B.; PAVLOV, A.

Remediable limitations. Za rul. 19 no. 2:6 F '61. (MIRA 14:4)

1. Starshiy metodist Moskovskogo avtomobil'nogo mototsikletnogo kluba (for Pavlov).
(Automobile drivers)

ELLERN, S.S.; GORBACHEV, B.F.

"Biscuit" type kaolinitic clays from terrigenous Devonian strata of Tatarstan. Dokl. AN SSSR 135 no.5:1223-1225 D '60.
(MIRA 13:12)

1. Kazanskiy gosudarstvennyy universitet im. V.I.Ul'yanova-Lenina. Predstavleno akademikom N.M.Strakhovym.
(Tatar A.S.S.R.--Kaolinite)

GORBACHEV, B.F.

Distribution of iron-ore horizons in the Pashiya series of the Chusovaya area in the Urals and the age of the "Pashiya" bauxite horizon. Uch.zap.Kaz.un. 120 no.4:59-66 '60. (MIRA 14:6)
(Chusovaya Valley--Iron ores) (Chusovaya Valley--Bauxite)

GORBACHEV, B.F.; SITDIKOV, B.S.; VLASOV, V.V.

Weathering crust on the crystalline rocks of the base of the northeastern part of the Tatar A.S.S.R. Dokl. AN SSSR 146 no.1:195-198 S '62. (MIRA 15:9)

1. Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina i Kazanskiy filial AN SSSR. Predstavleno akademikom N.M. Strakhovym.
(Tatar A.S.S.R.—Petrology)

GORBACHEV, B.F.

Allite in the sediments of the Upper Jivet stage in the Kama Valley portion of Perm Province. Izv.vys.ucheb.zav.; geol. i razv. 5 no.5:67-73 My '62. (MIRA 15:6)

1. Kazanskiy gosudarstvennyy universitet imeni V.I. Ul'yanova-Lenina.

(Perm Province--Rocks, Sedimentary)

GORBACHEV, B.F.

Iron sulfides in the oolite iron ores of the Urals. Zap.Vses.min.ob-va 92 no.1:96-98 '63. (MIRA 16:4)

1. Kazanskiy gosudarstvennyy universitet imeni V.I.Lenina.
(Ural Mountains—Iron sulfides) (Ural Mountains—Oolite)

GORBACHEV, B.F.

Some characteristics of karst bauxites in the Nizhneserginskiy region of the Urals. Lit. i pol. iskop. no.1:83-94 Ja-F '65.
(MIRA 18:4)

1. Kazanskiy gosudarstvennyy universitet im. V.I.Ul'yanova-Lenina.

ELLERN, S.S.; GORBACHEV, B.F.

Kaolinite in the base of trans-Volga layers in the northwestern part of Tatarstan. Lit. i pol. iskop. no.4:116-118 Jl-Ag '64.
(MIRA 17:11)

1. Kazanskiy gosudarstvennyy universitet imeni Lenina.

GORBACHEV, B.F.; VLASOV, V.V.; SITDIKOV, B.S.

Characteristics of the formation of authigenous anatase in the katagenesis zone. Lit. i pol. iskop. no.5:105-108 S-O '64.
(MIRA 17:11)

1. Kazanskiy gosudarstvennyy universitet.

GORBACHEV, B.G., BANK, A.S., SOLOD, G.I., SHORIN, V.G.

Inertia brakes for mine cars. Nauch. trudy MGI no. 20:248-258 '58.
(MIRA 11:8)

(Mine railroads--Cars)
(Railroads--Brakes)

GORBACHOV, B.G., inzh.

Effect of braking system characteristics on the dynamic force magnitude in mine train braking. Nauch.dokl.vys.shkoly; gor.delo no.2:204-207 '59. (MIRA 12:7)

1. Predstavlena kafedroy rudnichnogo transporta Moskovskogo gornogo instituta im. I.V. Stalina.
(Mine railroads—Brakes)

GORBACHEV, B.G.

Tractors GAZ-51P and GAZ-63D with saddle-type couplings. Biul.tekh.-ekon.inform. no.4:70-72 '59. (MIRA 12:7)
(Tractors)

GORBACHEV, B.G., inzh.

Basic propositions in designing shoe brakes for mine transport. Izv. vys.ucheb.zav.; gor.zhur. no.2:141-145 '60. (MIRA 14:5)

1. Moskovskiy gornyy institut.
(Mine railroads—Brakes)

GERONT'YEV, Vladimir Ivanovich, doktor tekhn.nauk, prof.; KARELIN, Nikolay Timofeyevich, dots.; Prinimali uchastiye: GRACHEV, N.P., dots.; TYMOVSKIY, L.G., dots.; GORBACHEV, B.G., kand. tekhn. nauk, otv. red.; KOVAL', I.V., red.izd-va; IL'INSKAYA, G.M., tekhn. red.

[Mine transportation]Rudnichnyi transport. Moskva, Gosgortekhizdat, 1962. 424 p. (MIRA 15:11)

1. Kafedra rudnichnogo transporta Leningradskogo gosudarstvennogo universiteta (for Grachev, Tymovskiy). 2. Zaveduyushchiy kafedroy rudnichnogo transporta Leningradskogo gosudarstvennogo instituta (for Geront'yev).
(Mine haulage)

GORBACHEV, B.G., kand. tekhn. nauk

Some results of studying the process of breaking rocks with an inertia and percussion working part. Trudy TSNIIPodzemshakht-stroia no.1:137-141 '62. (MIRA 16:8)

(Mining machinery--Testing)

GORBACHEV, B.G.

Stuyding the resistance of clamshell parts. Trudy TSNIIPodzemshakhstroia no.2:25-34 '63. (MIRA 17:5)

GORBACHEV, B.G., dotsent

Calculation of driving helical springs for timing mechanisms. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no. 49 pt.2:200-204 '64 (MIRA 19:1)

KUZ'MINYKH, I.N., [deceased] doktor tekhn.nauk, prof. POPOV, D.M.; GORBACHEV, B.I.

Bubble absorption of sulfur dioxide resulting in the production of concentrated solution of ammonium bisulfite. Khim.prom. 2:128-132 My '60. (MIRA 13:7)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva i ChKhZ imeni M.I. Mendeleyeva.
(Sulfur dioxide) (Sodium sulfite)

L 15754-66 EWT(1) GW

ACC NR: AP6006771 SOURCE CODE: UR/0033/66/043/001/0046/0051

AUTHOR: Gorbachev, B. I.

ORG: State Astronomical Institute im P. K. Shternberg (Gosudarstvennyy astronomicheskiy institut)

TITLE: Photometric structure of galactic cores

SOURCE: Astronomicheskiy zhurnal, v. 43, no. 1, 1966, 46-51

TOPIC TAGS: galactic core, distribution ~~law~~ theory, ~~Vaucouleurs law, elliptic~~ galaxy, ~~spiral galaxy, instrument contour,~~ ~~mass luminosity ratio~~ luminescence

ABSTRACT: Measurements of the brightness of galactic cores were performed from photographs obtained at the southern station of the State Astronomical Institute im. P. K. Shternberg in the Crimea. Sections of galactic cores and stars were measured by diaphragms covering a square of arc seconds 1."6 x 1."6 and readings taken each 0.01 mm. An attempt to find a law for the distribution of surface brightness was unsuccessful. After trying to apply the Vaucouleurs law to the distribution of the surface brightness in elliptic galaxies, this law appeared to be inappropriate for galactic cores. It held true only outside the cores. Measurements were not corrected for the instrument profile and atmospheric turbulence, but the final result was corrected for the instrument contour. Photometric profiles of stars may be approximated to parabola when the distance is large. Photometric profiles were transferred

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L 15764-66

ACC NR: AP6006771 O

by the Zeipel method to the spatial distribution of densities, which was represented graphically in the original article. Discrepancies between the curves of the surface profiles and the spatial distribution are explained by the importance of small variation in using this method. Applying the mass-to-luminosity ratio to four galactic cores, the numerical value of core densities was obtained, which is given in a table in the original article. The density curves of cores of spiral galaxies and elliptic galaxies show that the former are denser than the latter. Orig. art. has: 5 figures, 3 tables, and 2 formulas. [EG]

SUB CODE: 03/ SUBM DATE: 05Apr65/ ORIG REF: 003/ OTH REF: 013/ ATD PRESS: 4200

Card 2/2 SYM

GORBACHEV, Boris Konstantinovich; EYSYMONT, L.O., red.; BORISOVA, V.U., tekhn. red.

[Techniques of composite motion-picture photography] Tekhnika kombinirovannykh s"emok. Izd.2. Moskva, Gos.izd-vo "Iskusstvo," 1961. 274 p. (MIRA 15:4)
(Motion-picture photography, Trick)

L 2832-66 EWT(1)/EWT(m)/EWP(t)/EWP(b) LJP(c) JD/JG

ACCESSION NR: AT5021777 UR/2613/64/000/028/0080/0092

44,55 44,55 56 50 B+1

AUTHORS: Gorbachev, B. N.; Kink, R. A.; Liyd'ya, G. G. 44,55

TITLE: On the dependence of the effectiveness of the exciton and electron-hole energy transfer mechanisms in alkali iodides on the intensity of excitation

SOURCE: AN EstSSR. Institut fiziki i astronomii. Trudy, no. 28, 1964. Issledovaniya po lyuminestsentsii (Research on luminescence), 80-92

TOPIC TAGS: luminescence property, luminescence research, luminescence, luminescence spectrum, luminescence yield, luminescent crystal, ultraviolet radiation, phosphor

ABSTRACT: The dependence of the luminescence yield 21,44,55 on the intensity of host lattice excitation with monochromatic ultraviolet radiation in certain alkali iodides activated with thallium (NaI, KI, RbI, and CsI) was determined. The investigation was a continuation of the work of E. R. Il'mas, G. G. Liyd'ya, and Ch. B. Lushchik (Opt. i spektr. (v pechati)). Monocrystals of the phosphors were grown after the method of Kiropulos; all measurements were carried out in vaccuum. Quantum yields of luminescence as a function of excitation energy were determined, and the results are shown graphically in Fig. 1 on the Enclosure. It was found that the intensity of the slow luminescence component (attributed to the electron-hole energy transfer

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ACCESSION NR: AT5021777 6

mechanism) increased with increasing intensity of excitation, and that intensity of the fast component is independent of the intensity of excitation. The x-ray luminescence of CsI - Tl was also studied, and it was found that the efficiency of radioluminescence is independent of the intensity of the excitation radiation. The authors thank Ch. B. Lushchik for suggesting the investigation and for his help in evaluating the experimental results. Orig. art. has: 2 tables and 6 graphs.

ASSOCIATION: Institut fiziki i astronomii, AN EstSSR (Institute for Physics and Astronomy, AN EstSSR) 44,55

SUBMITTED: 08Jan64 ENCL: 01 SUB CODE: SS, OP

NO REF SOV: 017 OTHER: 006

Card 2/3

L 2832-66

ACCESSION NR: AT5021777

ENCLOSURE: 01

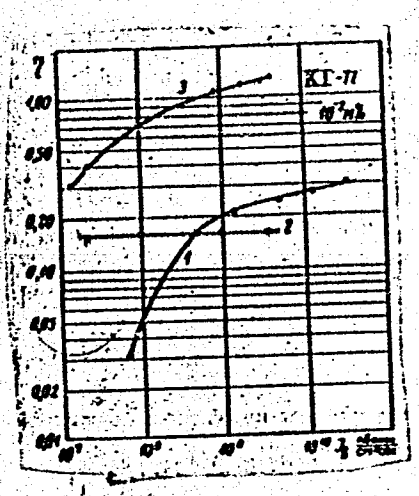

Fig. 1. Dependence of luminescence quantum yield on the intensity of excitation for excitation with energy quanta 10.15 ev (1), and 16.7 ev (2,3), filter SZS-18; 1,3 - quantum yield of slow component, 2 - quantum yield of fast component

BVK

Card 3/3

GORBACHEV, B.N.

Honoring Vladimir Alekseevich Batmanov, 1900- . Zap.Ural fil. Geog. ob-va SSSR no.4:177-178 '61. (MIRA 18:12)

ACC NR: AT7001787 SOURCE CODE: UR/3119/66/000/004/0085/0097

AUTHOR: Gorbachev, B. N.

ORG: Institute of Physics AN LatSSR (Institut fiziki AN LatSSR)

TITLE: Nonlinear effects in the migration of currentless and current-carrying elementary excitations in I-VII and II-VI crystals

SOURCE: AN LatSSR. Institut fiziki. Radiatsionnaya fizika, no. 4, 1966. Ionnyye kristally (Ionic crystals), 85-97

TOPIC TAGS: light excitation, radioluminescence, photoluminescence, exciton, electron hole

ABSTRACT: The purpose of the investigation was to check experimentally on the idea that the differences between the optical and electrical behavior of I-VII crystals (such as NaCl) and II-VI crystals (such as ZnS) is due to differences in the character of their stable electronic excitations. This was done by studying the dependence of the photoluminescence and radioluminescence of both types of crystals on the volume density by selective generating in the I-VII crystals either excitons or electron-hole pairs, and by selectively generating in the II-VI crystals electron-hole pairs. At the same time, a study was made of the features of the radioluminescence of the II-VI crystals (α/β ratio), which exhibit clearly a nonlinear dependence of their character-

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ACC NR: AT7001787

istics on the volume density of the excitation. . Comparison of the nonlinear effects for both crystals shows that qualitatively the electron-hole mechanism of energy transfer occurs in similar fashion in both classes of crystals. There are, however, quantitative differences in the luminescence saturation and in the absorption. A study was also made of the nonlinear effects produced during photon multiplication as a result of irradiating the crystals with various ionizing particles (α, β, γ, and protons). The results of the experiments are used to discuss the character of the electronic excitations in tracks of α β particles, using α particles from Pu^{239} and β particles from Sr^{90}. The intensity of photoexcitation at which the α and β particles produce equal results was determined. The results also show that by varying the nonlinear characteristics of the scintillator it is possible in principle to change the α/β ratio. Various reasons for the lower yield of alkali crystals compared with ZnS crystals are discussed. The author thanks Ch. B. Lushchik for continuous guidance, R. V. Milenina for synthesizing the ZnS phosphors, and T. A. Soovik and L. A. Pinagorova for help with the measurement of the scintillations. Orig. art. has: 6 figures.

SUB CODE: 20/ SUBM DATE: 00/ ORIG REF: 017/ OTH REF: 002

Card 2/2

GORBACHEV, B. Ya., Cand Tech Sci -- (diss) "Research into the braking process in mining trains." Moscow, 1960. 20 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Mining Inst im I. V. Stalin); 150 copies; price not given; (KL, 17-60, 152)

GORBACHEV, D.F.; KUPERBERG, A.B.

Provide the sugar industry with modern equipment. Sakh. prom. 36 no.7:5-7 Jl '62. (MIRA 17:1)

1. Smelyanskiy mashinostroitel'nyy zavod.

GORBACHEV, D.T., gornyy inzh.

Miners of the Kuznetsk Basin Kemerovo mine struggle for an improvement of technical and economic indices. Ugol' 37 no.5:10-12 My '62. (MIRA 15:6)

1. Kombinat ugol'nykh predpriyatiy Kemerovskogo rayona, Kuzbass. (Kuznetsk Basin—Coal mines and mining)

KOVACHEVICH, P.M., prof.; FEDOROV, N.A., kand.tekhn.nauk; ANDRIANOV, A.P., inzh.; BOBER, Ye.A., inzh.; GORBACHEV, D.T.; DENISOV, V.V.; KONONCHUK, G.I., brigadir

Work practices of the brigade of G.I.Kononchuk at "Berezovskaia-1" Mine in the Kuznetsk Basin. Ugol' 38 no.3:1-6 Mr '63. (MIRA 18:3)

1. Kemerovskiy gornyy institut (for Kovachevich, Fedorov, Andrianov, Bober). 2. Glavnyy inzh. tresta Kemerovougol' (for Gorbachev). 3. Glavnyy inzh. shakhty "Berezovskaya-1" tresta Kemerovougol' (for Denisov). 4. Shakhta "Berezovskaya-1" tresta Kemerovougol' (for Kononchuk).

GORBACHEV, D.T.; DRENYUK, A.A.

Experimental use of the K-52-m cutter-loader on inclined seams. Ugol' 39 no.5:51-54 My '64. (MIRA 17:8)

1. Trest Kemerovugol'.

GORBACHEV, D.T.

Using the shield system instead of the longwall mining system; experience in mining steep and inclined seams. Ugol' 39 no.8:39-44 Ag '64. (MIRA 17:10)

1. Glavnyy inzh. tresta Kemerovugol'.

KRYLOV, V.F.; GORBACHEV, D.T.; AGAFONOV, I.G.; FALALEYEV, L.A.

Mining 1,[redacted] tons of coal in one day in the Kuznetsk Basin with the OMKU complex. Ugol' 39 no.6:12-15 Je'64 (MIRA 17:7)

1. Kombinat ugol'nykh predpriyatiy Kuznetskogo kamennougol'nogo basseyna (for Krylov). 2. Kombinat ugol'nykh predpriyatiy Kemerovskogo rayona, Kuzbass (for Gorbachev). 3. Shakhta "Promyshlennaya" Kombinata ugol'nykh predpriyatiy Kemerovskogo rayona, Kuzbass (for Agafonov, Falaleyev).

GORBACHEV, D.T.; AGAFONOV, I.G.

Using the OMKT and OMKU mechanized complexes in various conditions of mining geology. Ugol' 40 no.5:55-57 My '65. (MIRA 18:6)

1. Glavnyy inzh. tresta Kemerovugol' (for Gorbachev). 2. Glavnyy inzh. shakhty "Promyshlennaya" tresta Kemerovugol' (for Agafonov).

GORBACHEV, D. Ye (Engineer).

"A Wet Cement Binder From the Pulverized-Coal Cinders of Thermal Electric Power Stations." Cand Tech Sci, Moscow Order of Labor Red Banner Construction Engineering Inst imeni V. V. Kuybyshev, 21 Dec 54. (VM,9Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: SUM No. 556, 24 Jun 55

GORBACHEV, D.Ye., kandidat tekhnicheskikh nauk.

Road concrete with chlorides added. Avt. dor. 19 no.6: 30-31 Je '56. (MLRA 9:9)

(Pavements, Concrete) (Chlorides)

Gorbachev D.Ye.

GORYAYNOV, K.E., doktor tekhn.nauk; MIKHAYLOV, A.V., dots.; GORBACHEV, D.Ye., kand.tekhn.nauk; IVANOVA, V.P., kand.tekhn.nauk; RUBETSKAYA, T.V., kand.tekhn.nauk; TRINKER, B.D., kand.tekhn.nauk; GORCHAKOV, A.V., otvetstvennyy red.; GLUSSKIY, Ya.A., nauchnyy red.; VASILEVSKIY, B.A., tekhn.red.

[Recommencations for making precast reinforced concrete structures from stiff concrete mixtures] Rekomendatsii po tekhnologii izgotovleniia sbornykh zhelezobetonnykh konstruktsii iz zhestkikh betonnykh smesei. Moskva, TSentr. biuro tekhn.inform., 1957. 45 p. (MIRA 11:5)

1. Russia (1917- R.S.F.S.R.) Ministerstvo stroitel'stva. Tekhnicheskoye upravleniye. 2. Laboratoriya betonov i rastvorov NII-200 Ministerstva stroitel'stva RSFSR (for Mikhaylov, Gorbachev, Ivanova, Rubetskaya, Trinker). 3. Rukovoditel' laboratoriey betonov i rastvorov NII-200 Ministerstva stroitel'stva RSFSR (for Goryaynov)
(Precast concrete construction)

Gorbachev, D.Ye.

GORBACHEV, D.Ye., kand.tekhn.nauk.

Experience in laying concrete pavement during winter using a sodium fluoride additive. Avt.dor. 20 no.11(181):21-22 N '57. (MIRA 10:12)

(Pavements, Concrete)
(Concrete construction--Cold weather conditions)

GORBACHEV, D.Ye., kand.tekhn.nauk

Preparation of steel strand prestressed concrete items with heat treatment. Avt.dor. 21 no.6:8-9 Je '58. (MIRA 12:10)

(Concrete, Prestressed)

GORBACHEV, D.Ye., kand.tekhn.nauk

Design and building of hyperbolic water-cooling towers. Elek.sta. 30 no.1:44-48 Ja '59. (MIRA 12:3)
(Cooling towers)

GORBACHEV, D.Ye., kand.tekhn.nauk

Useful book for manufactures ("Utilizing the ashes of pulverized fuel for large block construction" by N.G.Chukreev. Reviewed by D.E.Gorbachev). Stroi. mat. 7 no.4:38 Ap '61. (MIRA 14:5)

(Waste products)
(Aggregates (Building materials)) (Chukreev, N.G.)

GORBACHEV, D.Ye., kand. tekhn. nauk

Use of reeds in the construction industry. Stroi.mat. 10 no.8:38 Ag '64. (MIRA 17:12)

GORBACHEV, P.A.; MELKOBRODOV, E.A.

[Physical principles applied to the design and function of aeronautical instruments] Fizicheskie osnovy ustroistva i raboty aviatsionnykh priborov. Moskva, Ges. izd-vo neftianoi prom-shl., 1953. 522 p. (MLRA 7:4)
(Aeronautical instruments)

GORBACHEV, F. A. and MELKOBRODOV, Ye. A.

"Principles of Physical Design and Operation of Aviation Instruments," 1953

Review written by D. VIKTOROV, Vest. Vozd. Flota, No.6, pp. 67-69, 1954

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MURZA, I.S.; SHEVEL'KO, P.S.; BRAGA, V.G.; ALEKSEYEV, B.A.; GORBACHEV, F.A.; SUKHANOV, S.S.; NEFEDOV, D.I., inzh.-polkovnik zapasa, red.; VYZVILKO, S.A., inzh.-kapitan 2 ranga, red.; SOLOMONIK, R.L., tekhn. red.

[Manual for an aircraft technician] Spravochnik aviatsionnogo tekhnika. Moskva, Voen. izd-vo M-va obor. SSSR, 1961. 510 p. (MIRA 15:3)

(Airplanes)

L 20088-65 EWT(d)/EWT(1)/EWT(m)/FA/EWA(d)/EWP(j)/T-2/T/EWP(t)/EWP(h)/EED-2/EWP(b)/
SSD/A.DC(a)/AFWL/AS(mp)-2/AFETR/AFTC(a) DWA/TT/JD/MLK/RM

ACCESSION NR AM4049546 BOOK EXPLOITATION S/

Murza, I. S.; Shevel'ko, P. S.; Braga, V. G.; Alekseyev, P. A.; Gorbachev, F. A.;

Handbook for an aircraft technician (Spravochnik aviatsionnogo tekhnika), 2d ed. Moscow, Voyenizdat, 196., 519 p. illus., index, printed.

TOPIC TAGS: aircraft structure, aircraft material, aviation fuel, aviation lubricant, aircraft radio equipment, thermodynamics, gasdynamics, aviation engine

PURPOSE AND COVERAGE: This manual is intended for aircraft technicians with sec- technical education. ... Air Force and other aviation specialists ... contains ... on the general disciplines -- ..., gasdynamics, electrical engineering, radio engineering and the special disciplines -- strength of materials, aviation materials, aircraft strength, aerodynamics, aviation engines, aviation fuels and lubricants.

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SUB CODE: AC SUBMITTED: 05Mar64 NR REF SOV: 055

OTHER: 000

Card 2/2

BUTKEVICH, L.M.; GORBACHEV, F.Ya.; GRIDNEV, M.P.; MAKOGON, M.B.; PYATNICHUK, G.K.

Apparatus for creep tests of manometer tubular springs. Zav.lab. 29 no.12:1500-1501 '63. (MIRA 17:1)

1. Sibirskiy fiziko-tekhnicheskiy nauchno-issledovatel'skiy institut.

MURZA, I.S.; SHEVEL'KO, P.S.; BRAGA, V.G.; ALEKSEYEV, B.A.; GORBACHEV, F.A.; SUKHANOV, S.S.; DRUZHININSKIY, M.V., red.

[Handbook of an aircraft technician] Spravochnik aviatsionnogo tekhnika. Izd.2., ispr. Moskva, Voonizdat, 1964. 510 p. (MIRA 17:9)

GALSTYAN, A., chempion Vsesoyuznoy spartakiady po tekhnicheskim vidam sporta; GORBACHEV, G., master sporta, rekordsmen strany; PETRUKHIN, V., master sporta, chempion Vsesoyuznoy spartakiady po tekhnicheskim vidam sporta, rekordsmen strany; GIBNER, B.

Account of the motorboat engine industry. Za rul. 20 no.5:6 My '62. (MIRA 16:4)

1. Chlen Prezidiuma Federatsii vodno-motornogo sporta (for Gibner).

(Motorboat engines)

GORBACHEV, G. I., Vet.
"Prophylaxis of birth paresis in cows."
SO: Vet. 28 (1) 1951, p. 49

35341
S/194/62/000/001/056/066
D201/D305

9,2570

AUTHORS: Lukin, A. A. and Gorbachev, G. N.

TITLE: A highly economical transistor power amplifier

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TEXT: A transistorized high efficiency power amplifier is considered. The amplifier is supplied directly from a.c. mains. The high efficiency is achieved owing to the switching mode of operation of transistors. A PA is used for applying the control signals to the bases of transistors. The amplifier designed has shown good exploitation properties and good efficiency. 1) A power of up to 25 OW may be controlled using a single П-4 (P-4) transistor, with a voltage of 50 V amplitude applied to the transistor and the load resistance of about 5 ohms; 2) the efficiency is independent of the magnitude of the input signal and is 0.9 - 0.95 (without the efficiency of the transistor itself); 3) a high reliability and stabili-

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ty with respect to mechanical overloading; 4) economy and lower amplifier cost, as compared with electromagnetic and magnetic amplifiers handling the same currents and powers. 6 references. [Abstracter's note: Complete translation.]

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